YNK-DBR No 286
No Date 6.03.17 AS)

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Second and final bill

A.E.E./M.N.....
S.B.R. No 167/16-17 Date .....2016.
DATE: 10/2/17

Sion: BBMP / YNK

Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: P-2654 Sub Divisional **Work Code: 002-13-000049.**

Name of Work : Construction of Class rooms at Kenchenahalli village in ward No-02 of yelahanka Sub Division.

Name of Contractor and Full Address: **Technical Manager (West) KRIDL, BBMP, Bangalore.**

Reference to Agreement No. EE/YNK.D/ **W.O/274/2012-13.** Date: 14-03-2013.

Certified that the measurements were taken by me on ..10/2/2017.....and recorded of Pages 46510 to 46511 of measurement Book No. ...46552... and that the work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Officer-in-charge of work

Certified that the measurement were taken by me on ..10/2/17.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....
      adjusted towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

2nd & Final

	Amount
	271210:00
FSD	13560:00
IT	5425:00
EST	10849:00
LC	2712:00
CBF	272:00
Royalty	978:00
T.D	33796:00
Net	237414:00

Total amount adjusted -

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Witness
1.
2.

Dated Assistant Executive Engineer
Paid by Byatarayanapura Sub-division Dated.....
Cash Rs. KRIDL, BBMP, Bangalore
Dated.....
Initials of Officer making payment

Audited & admitted for Rs. 271210 (For use in the Office)

Stamp

237414 =:00 by Cheque
and Rs. 33796:00 by adjustment

Executive Engineer

sl no	Description of work	Unit
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No.	Cum
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.	cum
3	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,	curn
4	KSRB 5 2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications KBS 5.1.13	cum
5	KSRB 5 3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13	cum
6	KSRB 15 1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 97/ Item No. 15 1 / PWD SR 2012-13	sqm
7	KSRB- 4-1 5 Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No.12/ Item No. 4 6/ PWD SR 2012-13	cum
8	KSRB 2 3 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No	cum
9	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17 1 page 117 and KSRB M.100.4 1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17 4 Page 117 (SR 2012-13)	cum
10	KSRB 6-2 2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications Specification No. KBS 6.2,	cum
11	KSRB 4 2 10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 13/ Item No. 4 19/ PWD SR 2012-13	sqm
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete for R.C.C works laid in 15cms thick layers and well compacted vibrating curing etc. including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20 (1 1 5:3) Page No. 17/ Item No. 4.49.1/ PWD SR 2012-13	cum
13	KSRB 4-6 7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	sqm
14	KSRB 4-6 10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	sqm
15	KSRB 4-6 2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	sqm
16	KSRB 4 9 2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3	Quinta
17	Supplying and fixing pressed **steel door frames size 125 x 65 mm** manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 (P 37/17.26)	

Previous Measurment		Present Measurement			Total up-to date		Remark
Qty	cost	Qty	Rate	Cost	Qty	cost	
8.45	932.0	0.00	110.24	0.00	8.45	932.00	
34.87	4620.0	0.00	132.50	0.00	34.87	4620.00	
8.00	32428.0	0.00	4053.44	0.00	8.00	32428.00	
21.00	56919.0	0.00	2710.42	0.00	21.00	56919.00	
6.30	19046.0	0.00	3023.12	0.00	6.30	19046.00	
14.00	981.0	0.00	70.07	0.00	14.00	981.00	
4.06	17572.0	0.00	4327.98	0.00	4.06	17572.00	
10.13	902.0	0.00	89.04	0.00	10.13	902.00	
8.45	649.0	0.00	76.79	0.00	8.45	649.00	
12.15	61304.0	15.94	5045.60	80426.86	28.09	141730.86	
6.36	2393.0	0.96	376.30	361.25	7.32	2754.25	
15.76	87237.0	5.48	5535.32	30333.55	21.24	117570.55	
8.00	1747.0	0.00	218.36	0.00	8.00	1747.00	
7.00	1514.0	1.60	216.24	345.98	8.60	1859.98	
113.11	28775.0	21.21	254.40	5395.82	134.32	34170.82	
20.47	138807.0	9.40	6781.00	63741.40	29.87	202548.40	
3.78	14024.0	0.00	3710.00	0.00	3.78	14024.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Bangalore

sl no	Description of work	Unit
18	Providing and fixing cold rolled perepainted **steel windows of IS standards, made out of 0.6mm thick deep** drawing quality galvanished on both sides 120gms/sq.mtr. Primer coat upto 5microns with thermosetting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles in approximately 46x52mm for external formes, 46x46mm section for shutters, 48x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm tinted glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizonatally at 125mm C/C by revetting to the external frame. The abovve frames are fixed to the concrete / masonry walls by means of self expanding screws	
19	KSRB 10-2 Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS 2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS 2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square. (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test	
20	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever reuired smooth rendering. Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications.	sqm
21	KSRB 15.3.3 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
22	KSRB 15.3.13 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
23	KSRB 15.7 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
24	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/ colour pigment etc., complete	sqm
25	Providing and applying Putty for filling holes(Material components Sl No. 605, Code No. 0315, with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
26	KSRB 15.15.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
27	KSRB 15-16 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
28	KSRB 15-17.6 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	sqm
	B) Water Supply and Sanitary works	
29	KSRB 13-1.1 Providing and fixing to wall, ceiling and floor galvanized / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51 kg/mtr)) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No KBS 13.2.14 / 13.8 Page No. 79/ Item No. 13.3 / PWD SR 2012-13	Mtrs
30	KSRB 13-4.1 Making connection of G.I. distribution branch with G.I. main of 25 to 40mm. nominal bore, including bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification No. KBS 13.10. Page No. 80/ Item No. 13.20 / PWD SR 2012-13	Nos
31	KSRB 11-3. Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580m with footrests, 100 mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications Specification No. KBS 11 Page No. 67/ Item No. 12.3 PWD SR 2012-13	Pair
	C) Electrification Work	
37	Supplying and wiring adopting loop system in exisiting PVC conduit/casing caping using copper PVC insulated multi standard 2x1.5sqm copper wire with the 6 amps flush type SP control switch shall be fixied on the exisiting plastic sheet / gang box, the other end with all lead and lift etc complete as per specification and direction of engineer incharge of the work.	P/Mtr
		TOTAL

Certificates:

1 The above work is done satisfactorily
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit.

Previous Measurment		Present Measurement			Total up-to date		Remark
Qty	cost	Qty	Rate	Cost	Qty	cost	
7.20	26865.0	7.23	3731.20	26976.58	14.43	53841.58	
14.75	10163.0	0.00	689.00	0.00	14.75	10163.00	
92.85	10531.0	92.85	113.42	10531.05	185.70	21062.05	
63.70	6955.0	50.82	109.18	5548.53	114.52	12503.53	
27.60	4096.0	17.20	147.34	2534.25	45.00	6630.25	
91.50	1533.0	68.02	16.75	1139.34	159.52	2672.34	
30.94	52868.0	0.00	1708.72	0.00	30.94	52868.00	
63.70	4778.0	16.06	75.00	1204.50	79.76	5982.50	
91.50	5237.0	59.60	57.24	3411.50	151.10	8648.50	
92.58	6084.0	104.10	65.72	6841.45	196.68	12925.45	
18.18	1368.0	3.60	75.26	270.94	21.78	1638.94	
		12.00	227.90	2734.80	12.00	2734.80	
		4.00	287.26	1149.04	4.00	1149.04	
		1.00	968.84	968.84	1.00	968.84	
				0.00	0.00	0.00	
		12.00	220.00	2640.00	12.00	2640.00	
	598827.0			~~246844~~ 246555		~~845671~~ 246555	
10% KRIDL service charge	59883			~~24684~~ 24655		84567	24655
Total	658710			~~271528~~		930238	

27/210

27/210 = 0K

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore